Purpose: This issuance

- Establishes policy and assigns responsibilities for the DoD positioning, navigation, and timing (PNT) enterprise in accordance with Section 2281 of Title 10, United States Code and National Security Presidential Directive 39.

- Expands and clarifies the authority and responsibility assigned to the DoD Chief Information Officer in DoD Directive 5144.02 by designating that official as the Principal Staff Assistant for PNT policy and for development and coordination of DoD positions on all aspects of PNT for communication to external organizations.

- Establishes the Council on Oversight of the DoD PNT Enterprise (referred to in this issuance as the “PNT Oversight Council”) to provide oversight of the DoD portion of the PNT Enterprise of the United States, in coordination with various DoD Components and organizations that provide or support the functions of the PNT Enterprise.
# Table of Contents

**SECTION 1: General Issuance Information** ................................................................. 3  
1.1. Applicability ........................................................................................................... 3  
1.2. Policy ..................................................................................................................... 3  
1.3. Summary of Change 2 .......................................................................................... 3  

**SECTION 2: Responsibilities** ..................................................................................... 4  
2.1. DoD Chief Information Officer .............................................................................. 4  
2.2. Under Secretary of Defense for Acquisition and Sustainment ......................... 4  
2.3. Under Secretary of Defense for Research and Engineering .............................. 4  
2.4. Director of Operational Test and Evaluation ...................................................... 5  
2.5. Under Secretary of Defense (Comptroller)/DoD Chief Financial Officer, Department of Defense .............................................................................................................................. 5  
2.6. Under Secretary of Defense for Intelligence and Security ................................ 5  
2.7 Director, National Security Agency/Chief, Central Security Service ................. 5  
2.8. Director, National Geospatial-Intelligence Agency ............................................. 5  
2.9. Director, National Reconnaissance Office ............................................................ 5  
2.10. Under Secretary of Defense for Policy ................................................................. 6  
2.11. Director of Cost Assessment and Program Evaluation ....................................... 6  
2.12. Secretaries of the Military Departments ............................................................... 6  
2.13. Vice Chairman of the Joint Chiefs of Staff ....................................................... 6  
2.14. Commander, United States Space Command ................................................... 6  
2.15. Commander, United States Strategic Command ............................................ 7  
2.16. Commander, United States Northern Command ............................................. 7  
2.17. Commander, United States Cyber Command .................................................. 7  

**SECTION 3: PNT Oversight Council** ....................................................................... 8  
3.1. PNT Oversight Council Composition .................................................................. 8  
3.2. PNT Oversight Council Function ........................................................................ 9  

**GLOSSARY** ............................................................................................................... 11  

**REFERENCES** ......................................................................................................... 12  

**FIGURES**  
Figure 1. DoD PNT Enterprise Oversight Governance Process ................................ 10
SECTION 1: GENERAL ISSUANCE INFORMATION

1.1. APPLICABILITY. This issuance applies to OSD, the Military Departments, the Office of the Chairman of the Joint Chiefs of Staff and the Joint Staff, the Combatant Commands, the Office of Inspector General of the Department of Defense, the Defense Agencies, the DoD Field Activities, and all other organizational entities within the DoD.

1.2. POLICY. The DoD PNT Enterprise:

   a. Serves three principal functions for the United States.
      
      (1) Provide and protect the effective use of military Global Positioning System and other PNT services by U.S. and Allied forces anywhere in the world.
      
      (2) Prevent the effective use of PNT services by adversaries in areas of military operations.
      
      (3) Preserve civil Global Positioning System PNT services to non-combatants outside areas of military operations.

   b. Provides PNT information essential to the execution and command and control of military missions and to the efficient operation of information networks necessary for continuous situational awareness by Combatant Commanders and other senior decision makers.

   c. Requires cooperation with other Federal departments and agencies in the management and operation of dual-use PNT systems.

   d. Requires participation in domestic civil and international government and civil PNT forums in which coordinated U.S. Government positions must support DoD objectives.

1.3. SUMMARY OF CHANGE 2. The changes to this issuance are a result of the establishment of United States Space Command and the realigning of responsibilities between United States Space Command and United States Strategic Command. The changes:

   a. Assign responsibilities to the Commander, United States Space Command, and adjust Commander, United States Strategic Command, responsibilities accordingly.

   b. Update organizational titles and references for accuracy.
SECTION 2: RESPONSIBILITIES

2.1. DOD CHIEF INFORMATION OFFICER. The DoD Chief Information Officer:

   a. Implements this directive, including issuing necessary policy, procedures, and guidance.

   b. Serves as Principal Staff Assistant for PNT policy and for development and coordination of DoD positions on all aspects of PNT policy for communication to external organizations.

   c. Establishes and chairs a DoD PNT Executive Management Board (EMB) and working groups to oversee the governance process in support of the PNT Oversight Council.

   d. Establishes a PNT Oversight Council Secretariat to provide organizational and staffing support for meetings, issue Council guidance and decisions, and lead preparation and staff coordination of reports required for submission by the Council.

   e. As a voting member of the PNT Oversight Council, identifies and represents to the PNT Oversight Council the PNT policy requirements to be satisfied by the DoD when implementing the DoD PNT Enterprise.

   f. Ensures that systems supporting DoD PNT functions are in compliance with DoD navigation warfare requirements in accordance with DoD Instruction 4650.08.

2.2. UNDER SECRETARY OF DEFENSE FOR ACQUISITION AND SUSTAINMENT. The Under Secretary of Defense for Acquisition and Sustainment:

   a. Serves as a co-chair of the PNT Oversight Council, and is a voting member.

   b. Oversees acquisition of DoD systems using or providing PNT capabilities and related performance standards for DoD PNT systems. Confirms that approved PNT policies are implemented in acquisition activities subject to Under Secretary of Defense for Acquisition and Sustainment oversight.

2.3. UNDER SECRETARY OF DEFENSE FOR RESEARCH AND ENGINEERING. The Under Secretary for Research and Engineering:

   a. Is a voting member of the PNT Oversight Council.

   b. Provides oversight and guidance for DoD investment in PNT research and development and emerging PNT capabilities.

   c. Informs and influences PNT program requirements based on the results of the knowledge acquired through technology forecasting, effective modeling and simulation, prototyping and experimentation.
d. Reviews and oversees PNT research, system engineering, and developmental test processes across the Services through oversight and management of PNT research and development activities among the Service laboratories, DoD research organizations, industry, and academia.

2.4. DIRECTOR OF OPERATIONAL TEST AND EVALUATION. As a non-voting member of the PNT Oversight Council, the Director, Operational Test and Evaluation:

a. Prescribes policies and procedures for the conduct of PNT-related operational test and evaluation and advises the Council on these matters.

b. Advises the Council on vulnerability identification, including cybersecurity vulnerabilities, and mitigation.

c. Advises the Council based on oversight of the GPS Enterprise and insight gained through operational tests and performance assessments.

2.5. UNDER SECRETARY OF DEFENSE (COMPTROLLER)/DOD CHIEF FINANCIAL OFFICER, DEPARTMENT OF DEFENSE. As a non-voting participant of the PNT Oversight Council, the Under Secretary of Defense (Comptroller)/Chief Financial Officer, Department of Defense provides subject-matter expertise at Council meetings and in developing Council products.

2.6. UNDER SECRETARY OF DEFENSE FOR INTELLIGENCE AND SECURITY. As a voting member of the PNT Oversight Council, the Under Secretary of Defense for Intelligence and Security provides subject-matter expertise at Council meetings and in developing Council products.

2.7 DIRECTOR, NATIONAL SECURITY AGENCY/CHIEF, CENTRAL SECURITY SERVICE. Under the authority, direction, and control of the Under Secretary of Defense for Intelligence and Security, and as a voting member of the PNT Oversight Council, the Director, National Security Agency/Chief, Central Security Service provides oversight and guidance on PNT-related operations and capability needs pertaining to cryptologic and precise timing matters.

2.8. DIRECTOR, NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY. Under the authority, direction, and control of the Under Secretary of Defense for Intelligence and Security, as a non-voting participant of the PNT Oversight Council, the Director, National Geospatial-Intelligence Agency provides subject-matter expertise at Council meetings and in developing Council products.

2.9. DIRECTOR, NATIONAL RECONNAISSANCE OFFICE. Under the authority, direction, and control of the Under Secretary of Defense for Intelligence and Security, as a non-
voting participant of the PNT Oversight Council, the Director, National Reconnaissance Office provides subject-matter expertise at Council meetings and in developing Council products.

2.10. UNDER SECRETARY OF DEFENSE FOR POLICY. The Under Secretary of Defense for Policy:

   a. As a voting member of the PNT Oversight Council, provides oversight and guidance on international matters pertaining to the DoD PNT Enterprise.

   b. In coordination with DoD Chief Information Officer, develops national security and Defense policy and integrates space-based PNT policy and plans to achieve national security objectives.

   c. In coordination with DoD Chief Information Officer, participates in space-based PNT matters involving the National Security Council, the Department of State, and other Federal departments, agencies, and interagency groups with interests in and responsibilities for space-based PNT national security policy.

   d. Coordinates with DoD Chief Information Officer on the development of DoD policy guiding the conduct of alliances and defense relationships with foreign governments, their military establishments, and international organizations; integrating and overseeing plans and programs undertaken with those alliances or foreign defense establishments relating to space-based PNT.

2.11. DIRECTOR OF COST ASSESSMENT AND PROGRAM EVALUATION. As a non-voting participant of the PNT Oversight Council, the Director of Cost Assessment and Program Evaluation provides subject-matter expertise at Council meetings and in developing Council products.

2.12. SECRETARIES OF THE MILITARY DEPARTMENTS. As ex officio members and voting members of the PNT Oversight Council, the Secretaries of the Military Departments provide oversight and guidance for service-related PNT operations and capability needs, and subject-matter expertise at Council meetings and in developing Council products.

2.13. VICE CHAIRMAN OF THE JOINT CHIEFS OF STAFF. The Vice Chairman of the Joint Chiefs of Staff:

   a. Serves as a co-chair of the PNT Oversight Council, and is a voting member.

   b. Identifies and represents to the PNT Oversight Council, PNT operational requirements to be satisfied by the DoD.

2.14. COMMANDER, UNITED STATES SPACE COMMAND. The Commander, United States Space Command:
a. As a voting member of the PNT Oversight Council, provides oversight and guidance on joint space-based PNT related operations and guidance on joint resilient PNT requirements and capabilities supporting navigation warfare (NAVWAR) operations for the DoD.

b. Provides contingency joint resilient PNT and NAVWAR planning and operations support to Combatant Commands.

2.15. COMMANDER, UNITED STATES STRATEGIC COMMAND. The Commander, United States Strategic Command:

a. As a voting member of the PNT Oversight Council, provides oversight and guidance on the employment and advocacy of PNT capabilities affecting strategic mission areas for which United States Strategic Command is responsible and regarding use of electromagnetic spectrum in support of NAVWAR operations.

b. Develops joint concepts of operations and tactics, techniques, and procedures for those PNT capabilities for which the Commander, United States Strategic Command, has responsibility.

2.16. COMMANDER, UNITED STATES NORTHERN COMMAND. As a voting member of the PNT Oversight Council, the Commander, United States Northern Command provides oversight and guidance on PNT-related operations and capability needs pertaining to U.S. homeland defense.

2.17. COMMANDER, UNITED STATES CYBER COMMAND. As a voting member of the PNT Oversight Council, the Commander, United States Cyber Command provides oversight and guidance on PNT-related operations and capability needs pertaining to the DoD cyber infrastructure.
SECTION 3: PNT OVERSIGHT COUNCIL

3.1. PNT OVERSIGHT COUNCIL COMPOSITION. The PNT Oversight Council is composed of the voting members and non-voting participants identified in Section 2.

a. Voting Members.
   (1) Secretaries of the Military Departments.
   (2) Vice Chairman of the Joint Chiefs of Staff, Co-chair.
   (3) Under Secretary of Defense for Acquisition and Sustainment, Co-chair.
   (4) Under Secretary of Defense for Research and Engineering.
   (5) Under Secretary of Defense for Policy.
   (6) DoD Chief Information Officer.
   (7) Under Secretary of Defense for Intelligence and Security.
   (8) Director, National Security Agency/Chief, Central Security Service.
   (9) Commander, United States Space Command.
   (10) Commander, United States Strategic Command.
   (11) Commander, United States Northern Command.
   (12) Commander, United States Cyber Command.

b. Non-voting Participants.
   (1) Under Secretary of Defense (Comptroller)/Chief Financial Officer, Department of Defense.
   (2) Director of Operational Test and Evaluation.
   (3) Director, National Geospatial-Intelligence Agency.
   (4) Director, National Reconnaissance Office.
   (5) Director of Cost Assessment and Program Evaluation.
3.2. PNT OVERSIGHT COUNCIL FUNCTION. The PNT Oversight Council:

   a. Serves as the principal unified and integrated DoD governance body that ensures the DoD
      PNT Enterprise functions meet national objectives, consistent with national policy and guidance,
      and that the mutually supporting systems, standards, and specifications continue to evolve to
      address emerging threats. Specific functions of the PNT Oversight Council include, but are not
      limited to:

      (1) Oversight of the DoD PNT Enterprise, including PNT services provided to civil,
          commercial, scientific, and international users.

      (2) Oversight of performance assessments (including interoperability).

      (3) Vulnerability identification and mitigation.

      (4) Architecture development.

      (5) Resource prioritization.

      (6) Other responsibilities that the Secretary or Deputy Secretary of Defense specifies.

   b. Supports the planning, programming, budgeting, and execution process by prioritizing
      PNT issues and recommending resourcing options. See Figure 1 for the governance structure
      through which issues, findings, and recommendations will be vetted to the PNT Oversight
      Council.
c. Is supported by the DoD PNT EMB, a functional governance committee, consistent with governance committees established by DoD Directive 5105.79. The PNT EMB informs the PNT Oversight Council of issues that need principal-level decisions.

d. Tasks the PNT EMB to work specific problems and issues. As necessary, PNT Council decisions and tasks will be coordinated by working groups comprised of member organization representatives and implemented by subordinate member organizations (e.g., program and project offices).

e. Decides by consensus of the voting members. If consensus cannot be reached, the PNT Oversight Council co-chairs will make the final determination. Dissenting positions will be included in the record of decisions for the Council.
# Glossary

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<thead>
<tr>
<th>Abbreviation</th>
<th>Definition</th>
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<tbody>
<tr>
<td>EMB</td>
<td>Executive Management Board</td>
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<tr>
<td>NAVWAR</td>
<td>navigation warfare</td>
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<tr>
<td>PNT</td>
<td>positioning, navigation, and timing</td>
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REFERENCES

DoD Directive 5144.02, “DoD Chief Information Officer (DoD CIO),” November 21, 2014, as amended
United States Code, Title 10, Section 2281